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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/071,496	03/01/2002	Brian Chess	NetLedger 709	7530
7590	09/14/2010		EXAMINER	
Robert Moll 1173 St. Charles Court Los Altos, CA 94024			GOLD, AVI M	
			ART UNIT	PAPER NUMBER
			2457	
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			09/14/2010	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/071,496	CHESS ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	AVI GOLD	2457	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1) Responsive to communication(s) filed on 21 June 2010.

2a) This action is **FINAL**.                                    2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) 1-22 is/are pending in the application.

4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5) Claim(s) \_\_\_\_\_ is/are allowed.

6) Claim(s) 1-22 is/are rejected.

7) Claim(s) \_\_\_\_\_ is/are objected to.

8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All    b) Some \* c) None of:

- Certified copies of the priority documents have been received.
- Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
- Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) Notice of References Cited (PTO-892)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.

4) Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.

5) Notice of Informal Patent Application (PTO-152)

6) Other: \_\_\_\_\_.

## **DETAILED ACTION**

This action is responsive to the amendment filed on June 21, 2010. Claims 1-22 are pending.

### ***Response to Amendment***

#### ***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jacobs et al., U.S. Patent No. 6,785,769, in view of Kavner, U.S. Patent No. 6,366,947, further in view of Gao et al., U.S. Patent Publication No. 2002/0032701.

As to claim 1, Jacobs teaches a client-side caching system, comprising:  
a client for issuing a request based on user selection for a resource on a server (col. 4, lines 39-40, Jacobs discloses a client requesting sent to a server); and  
a server for receiving the request and sending a response including a cookie, wherein the cookie value represents the last version of the resource, and wherein the cookie value is attached to the request for the resource and the client requests the

resource with the appended cookie value so that if the last version of the resource is in the cache, the resource is retrieved from cache rather than from the server, and if not, is retrieved from the server (col. 4, lines 10-54, Jacobs discloses a client making requests that include a cookie, the cookie value being updated to properly retrieve data from the client cache or the server is necessary).

Jacobs fails to teach the limitation further including a client cache.

However, Kavner teaches a local cache for storing web resources (col. 4, lines 44-59).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Jacobs in view of Kavner to use a client cache. One would be motivated to do so because the user gets the benefit of seeing a web page immediately when it is already stored in the client cache (col. 4, lines 56-59).

Jacobs also fails to teach the limitation further including a script sent to a client and the use of client-side script that automatically re-requests a resource.

However, Gao teaches a script sent to a client and a client side script that automatically requests updated data (paragraph 47-49).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Jacobs in view of Gao to use a script sent to a client and the use of client-side script that automatically re-requests a resource. One would be motivated to do so because it is more efficient for the script to run on the client.

Regarding claim 2, Jacobs teaches the client-side caching system of claim 1, wherein the resource is a web page, the resource is located at a URL, and the client is a web browser with a browser cache (col. 4, lines 10-15).

Regarding claim 3, Jacobs teaches the client-side caching system of claim 1, wherein the response includes a non-displayed relatively small page and the cookie is in a response header and the client-side script is in the entity body of the response (col. 4, lines 25-36).

Regarding claim 4, Jacobs teaches the client-side caching system of claim 1, wherein the client-side script that appends the cookie value to the request is embedded in a displayed page (col. 8, lines 10-16).

Regarding claim 5, Jacobs teaches a server for a client-side caching system, comprising:

a client for issuing a request based on user selection for a resource on a server; and

a server for receiving the request and sending a response including a cookie, wherein the cookie value represents the last version of the resource, and wherein the cookie value is attached to the request for the resource and the client requests the resource with the appended cookie value so that if the last version of the resource is in

the client cache, the resource is retrieved from client cache rather than from the server, and if not, is retrieved from the server (col. 4, lines 10-54).

Jacobs fails to teach the limitation further including a script sent to a client and the use of client-side script that automatically re-requests a resource.

However, Gao teaches a script sent to a client and a client side script that automatically requests updated data (paragraph 47-49).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Jacobs in view of Gao to use a script sent to a client and the use of client-side script that automatically re-requests a resource. One would be motivated to do so because it is more efficient for the script to run on the client.

Regarding claim 6, Jacobs teaches the server of claim 5, wherein the server includes a web server for listening to client requests, the resource is a web page at a URL, and the client-side script appends the cookie value to the URI of the web page requested to form a rewritten URL and causes the client to automatically re-request the resource with the written URL, and an application server for creating the cookie and inserting the cookie into a response header and inserting the client-side script into the entity body of the response (Jacobs, col. 4, lines 10-15; Gao, paragraphs 47-49).

Regarding claim 7, Jacobs teaches the server of claim 6, wherein the server sets the cookie value by determining the last modified time of each page in the same class

as the page which is the subject of the request, and sets the cookie value to the maximum value of the last modified times (col. 4, lines 10-36).

Regarding claim 8, Jacobs teaches the client-side caching system of claim 2, wherein the server sets the cookie value by determining the last modified time of each web page in the same class as the web page which is the subject of the request, and sets the cookie value to the maximum value of the last modified times (col. 4, lines 10-36).

Regarding claim 9, Jacobs teaches a client-side caching system, comprising: a client for issuing a request based on a user selection for a resource stored on a server and for receiving a server response including a cache control object, wherein the cache control object represents the correct version of the resource, the cache control object value attached to the request for the resource, and without another user selection for the resource causes the client to request the resource with the appended cache control object value so that if the correct version of the resource is in the cache, the resource is retrieved from the cache rather than from the server, and if not, the resource is retrieved from the server (col. 4, lines 10-54).

Jacobs fails to teach the limitation further including a client cache.

However, Kavner teaches a local cache for storing web resources (col. 4, lines 44-59).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Jacobs in view of Kavner to use a client cache. One would be motivated to do so because the user gets the benefit of seeing a web page immediately when it is already stored in the client cache (col. 4, lines 56-59).

Jacobs fails to teach the limitation further including a script sent to a client and the use of client-side script that automatically re-requests a resource.

However, Gao teaches a script sent to a client and a client side script that automatically requests updated data (paragraph 47-49).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Jacobs in view of Gao to use a script sent to a client and the use of client-side script that automatically re-requests a resource. One would be motivated to do so because it is more efficient for the script to run on the client.

Regarding claim 10, Jacobs teaches the client-side caching system of claim 9, wherein the resource is a web page located at a URL, the correct version is the last version of the resource, and the client is a web browser with a browser cache (col. 4, lines 10-15).

Regarding claim 11, Jacobs teaches the client-side caching system of claim 10, wherein the request and the response are HTTP compliant, the response is a relatively small non-displayed page, the cache control object is a cookie in a response header, and the client-side script is in the entity body of the response (col. 4, lines 25-36).

Regarding claim 12, Jacobs teaches the client-side caching system of claim 9, wherein the client-side script that appends the cache control object to the request is embedded in a displayed page (col. 8, lines 10-16).

Regarding claim 13, Jacobs teaches the client-side caching system of claim 9, wherein Internet protocols define communication between the client and the server, and the correct version is the last version of the resource (col. 4, lines 10-36).

Regarding claim 14, Jacobs teaches the client-side caching system of claim 11, wherein the server sets the cookie value by determining the last modified time of each page in the same class as the page which is the subject of the request, and sets the cookie value to the maximum value of the last modified times (col. 4, lines 10-36).

Regarding claim 15, Jacobs teaches a method of client-side caching in a server, comprising:

receiving a client request for a web page; and  
inserting a cookie in response to the client request, wherein the cookie value represents the last version of the web page, wherein the cookie value is attached to the client request for the web page such that the client automatically re-requests the web page with the appended cookie value so that if the most recent version of the web page

is in the cache, the web page is retrieved from cache rather than from the server, and if not, the web page is retrieved from the server (col. 4, lines 10-54).

Jacobs fails to teach the limitation further including a client cache.

However, Kavner teaches a local cache for storing web resources (col. 4, lines 44-59).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Jacobs in view of Kavner to use a client cache. One would be motivated to do so because the user gets the benefit of seeing a web page immediately when it is already stored in the client cache (col. 4, lines 56-59).

Jacobs fails to teach the limitation further including a script sent to a client and the use of client-side script that automatically re-requests a resource.

However, Gao teaches a script sent to a client and a client side script that automatically requests updated data (paragraph 47-49).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Jacobs in view of Gao to use a script sent to a client and the use of client-side script that automatically re-requests a resource. One would be motivated to do so because it is more efficient for the script to run on the client.

Regarding claim 16, Jacobs teaches the method of claim 15, further comprising determining the last modified time of each web page in the same class as the web page which is the subject of the request, and setting the cookie value to the maximum value of the last modified times (col. 4, lines 10-36).

Regarding claim 17, Jacobs teaches the method of claim 15, further comprising:  
reviewing the extension of the requested web page to determine run time  
environment;  
loading the run time environment; and  
updating a database with information from the client request (col. 4, lines 10-36).

Regarding claim 18, Jacobs teaches a method of client-side caching in a browser, comprising:  
presenting a user selection for a web page at a URL; and  
receiving a server response including a cookie, wherein the cookie value represents the most recent version of the web page, the cookie value attached to the URL and requests the web page with rewritten URL of the URL with the appended cookie value so that if the most recent version of the web page is in the cache, the web page is retrieved from the cache, and if not, the resource is retrieved from the server (col. 4, lines 10-54).

Jacobs fails to teach the limitation further including a browser cache. However, Kavner teaches a local cache for storing web resources (col. 4, lines 44-59).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Jacobs in view of Kavner to use a browser cache. One would be

motivated to do so because the user gets the benefit of seeing a web page immediately when it is already stored in the client cache (col. 4, lines 56-59).

Jacobs fails to teach the limitation further including a script sent to a client and the use of client-side script that automatically re-requests a resource.

However, Gao teaches a script sent to a client and a client side script that automatically requests updated data (paragraph 47-49).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Jacobs in view of Gao to use a script sent to a client and the use of client-side script that automatically re-requests a resource. One would be motivated to do so because it is more efficient for the script to run on the client.

Claims 19-22 do not teach or define any new limitations above claims 1-4 and therefore are rejected for similar reasons.

### ***Response to Arguments***

3. Applicant's arguments with respect to claims 1-22 have been considered but are moot in view of the new ground(s) of rejection.
4. In response to applicant's arguments against the references individually, one cannot show nonobviousness by attacking references individually where the rejections are based on combinations of references. See *In re Keller*, 642 F.2d 413, 208 USPQ 871 (CCPA 1981); *In re Merck & Co.*, 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1986).

***Conclusion***

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. Pat. No. 6,834,294 to Katz

U.S. Pat. No. 6,757,705 to Pardikar et al.

U.S. Pat. No. 6,327,608 to Dillingham

U.S. Pat. No. 6,226,642 to Beranek et al.

U.S. Pat. No. 6,178,461 to Chan et al.

U.S. Pat. No. 6,026,474 to Carter et al.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to 9 whose telephone number is (571)272-4002. The examiner can normally be reached on M-F 8:30 a.m. to 5 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on 571-272-4001. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/A. G./  
Examiner, Art Unit 2457

/ARIO ETIENNE/  
Supervisory Patent Examiner, Art Unit 2457